

# I-405/SR 167 Corridor Executive Advisory Group

Kirkland Justice Center June 25, 2018

# Introductions and Agenda

- King County Parks update
  - Eastside Rail Corridor Regional Trail progress
- WSDOT update
  - I-405 Renton to Bellevue project update
  - Bonding analysis from Office of the State Treasurer
- Sound Transit update
  - I-405 Bus Rapid Transit
- Public comment
- Wrap-up

# EAG Meeting Topics/Schedule

### June 25, 2018 Meeting

- King County Parks update
- Sound Transit Bus Rapid Transit update
- I-405 Renton to Bellevue update
- Office of the State
  Treasurer bonding analysis

### September 2018 Meeting

- Transit agency updates
- Sound Transit BRT (85th) update
- I-405/SR 167 Direct Connector
- I-405/NE 132nd Street interchange

### Nov/Dec 2018 Meeting

- King County Parks update
- Sound Transit Bus Rapid Transit update
- I-405 Corridor funding and phasing
- 40-mile toll lane system next steps



### I-405 Master Plan

### **Regional Consensus**

- EIS Record of Decision, 2002
- Multimodal, multiagency plan

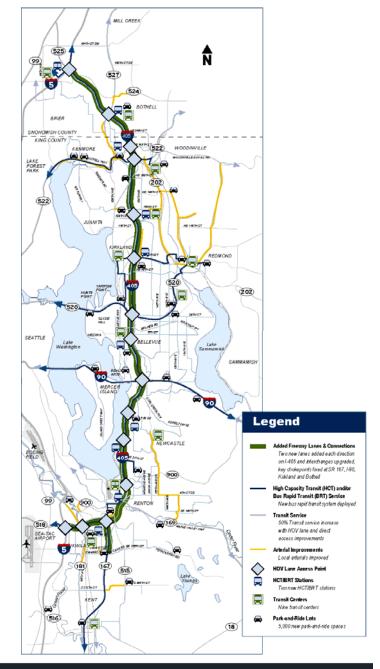
### Roadways

- 2 new lanes in each direction
- Local arterial improvements

### **Transit & Transportation Choices**

- Bus Rapid Transit system
- New transit centers
- 50% transit service increase
- HOV direct access ramps and flyer stops
- Potential managed lanes system
- 5000 new Park & Ride spaces
- 1700 new vanpools

### **Environmental Enhancements**



# King County Parks Update Eastside Rail Corridor Regional Trail

**Curt Warber** 

Project Manager King County Parks

# **Eastside Rail Corridor Regional Trail**

I-405 Program Update - June 2018

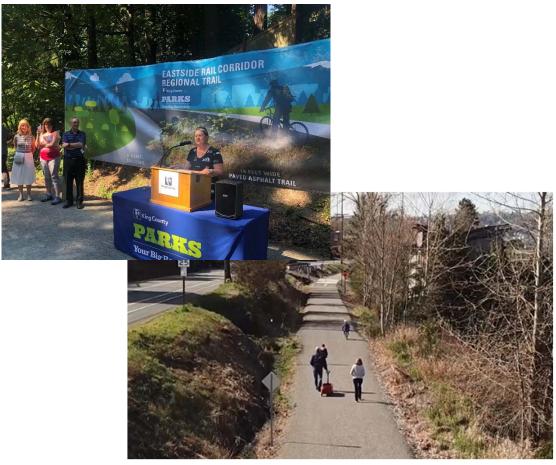


- Interim trail
- I-405 Project
- Design efforts
- Program updates

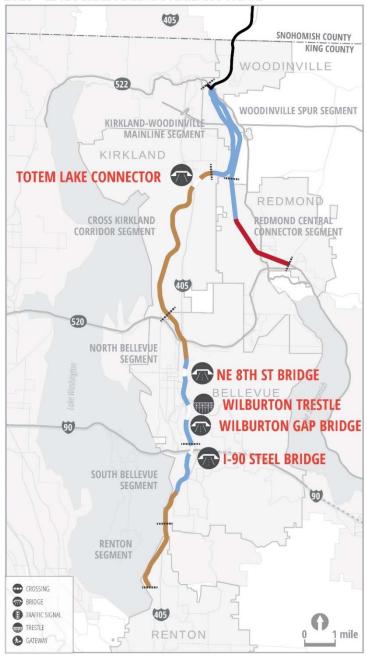


# **Interim Trail-open!**

- From Gene Coulon Park to Newcastle Beach Park- 4 Miles
- From Cross Kirkland Corridor to 120<sup>th</sup> (w/Sound Transit)



#### 2018 - EASTSIDE RAIL CORRIDOR TRAIL



# **I-405 Project**

Collaborating with WSDOT team to develop design-build RFP for trail elements:

- Wilburton Gap vegetated bridge and associated trail
- Paved trail in south Bellevue from Coal Creek Parkway to Ripley Lane

Projects to prepare for construction:

- Ripley Lane Trestle
- Coal Creek Trestle/Bridges
- Rail removal from Newcastle Beach Park to Coal Creek Parkway
- Encroachments & property issues



# Wilburton Segment Design (2017-2019)

### Most urban and complex segment:

- Historic Wilburton Trestle
- Connections to SR 520 and I-90 Trails
- I-90 Steel Bridge
- Interface with Bellevue's Grand Connection
- Coordination with ST2 and ST3 projects, including Wilburton Station & OMF-E

### **Developing centers:**

- Spring District
- Wilburton Redevelopment Area

# EASTSIDE RAIL CORRIDOR REGIONAL TRAIL WILBURTON TRESTLE EXISTING PHOTOS





















King County Your Big Backyard

# Wilburton Design for I-405 Project Connectivity

### Wilburton Trestle and North Gateway

- Repair and renovation for add'l 50 years
- · Concrete decking and railing
- Viewpoints
- Trailhead

### SE 32<sup>nd</sup> Connection to 118<sup>th</sup> Ave SE

- I-90 bypass
- Connectivity to Mercer Slough



### **Renton Connections**

- Extending from end of railbanked corridor to Gene Coulon entry
- Beginning coordination with ST for potential shared use of May Creek park and ride location
- Renton Landing as connection opportunity

### **Developing centers:**

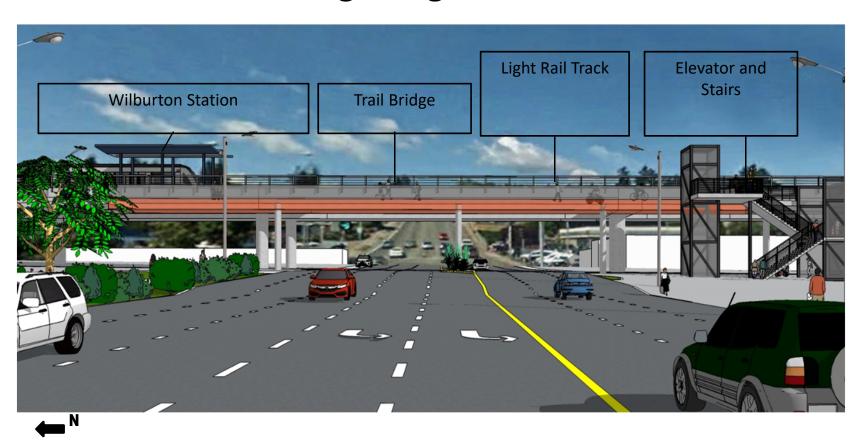
Southport and Residence Inn



### **NE 8th Street Crossing Design (2018-2019)**



### **NE 8th Street Crossing Design: 2018-2019**



### **Outreach & Coordination**

### I-405 Project

Partnering with WSDOT at I-405 project events

### Wilburton Segment Design

- Ongoing coordination with City of Bellevue and Sound Transit at staff level
- Key stakeholder workshops
- General public event coming up in September

### NE 8<sup>th</sup> Crossing Design

• Public events likely Q1 of 2019

#### **Renton Connections**

Staff level work/scoping

# **Funding Commission**



### **Branding**







"...the (ERC Trail) will revolutionize nonmotorized transportation east of Lake Washington." -Tom Fucoloro, Seattle Bike Blog

### **Curt Warber**

curt.warber@kingcounty.gov

www.kingcounty.gov/eastsiderailcorridortrail





# Discussion

Facilitated by:
Roger Millar
Transportation Secretary

# **WSDOT Update**

### Kim Henry, P.E.

Program Administrator I-405/SR 167 Corridor Program

### **Doug Vaughn**

Chief Financial Officer WSDOT

### 40 Mile Corridor

The existing I-405 express toll lanes between Bellevue and Lynnwood are part of a planned 40-mile corridor that will ultimately extend south to the Pierce County line. This system will provide drivers with an option for a faster, more reliable trip. Immediate next steps include:

### I-405 Bellevue to Lynnwood Express Toll Lanes

Opened September 2015

#### **SR 167 HOT Lane Extension**

Opened December 2016

#### I-405/SR 167 Direct Connector

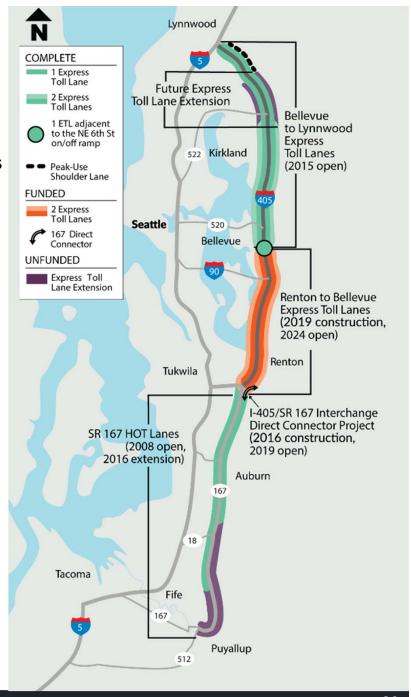
- Under construction
- Open to traffic in 2019

### Renton to Bellevue Widening and Express Toll Lanes

- Construction to begin in 2019
- Open to traffic in 2024

### I-405 North End Improvements

 Legislature authorized \$20 million toward preliminary engineering (\$15 million included in the 2018 supplemental budget)



I-405 Renton to Bellevue Widening and Express Toll Lanes project

### Status:

- Fully funded by Connecting Washington and express toll lane revenue
- In preliminary engineering and environmental review phase
- Construction scheduled to start in 2019
- Open to traffic 2024

### Major multimodal project elements

- New capacity and interchange improvements
- Dual express toll lane system
- Bus Rapid Transit infrastructure (with Sound Transit)
  - Direct access ramps and park and ride at Northeast 44th Street in Renton
- Eastside Rail Corridor Regional Trail segments (with King County)
- Coordination with Mountains to Sound Greenway trail



### **Environmental Review Process**

### One Construction Contract, Two Environmental Assessments

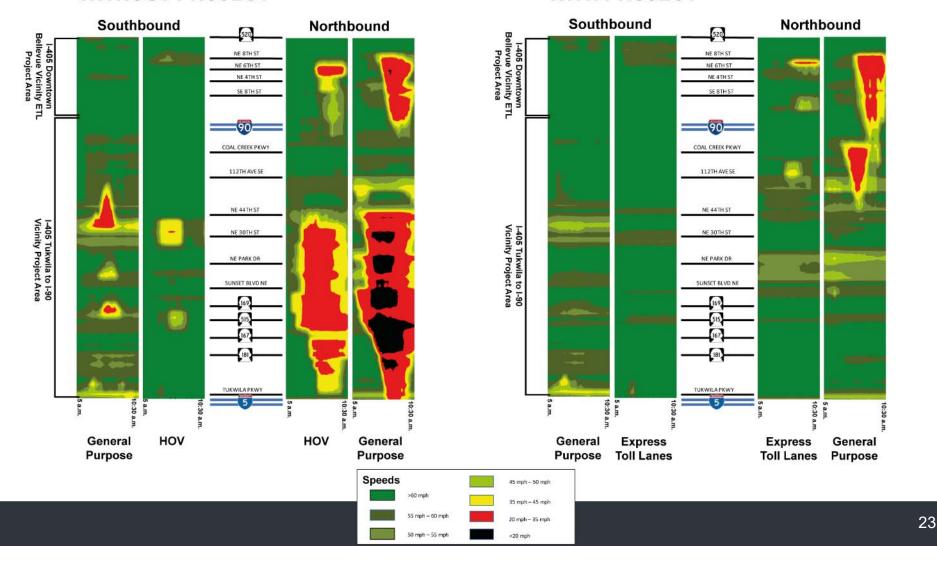
- 1. I-405, Downtown Bellevue Vicinity Express Toll Lanes Project (Published April 2, 2018)
  - 30-day comment period (April 2-May 2)
  - Public hearing in Bellevue (April 17, 2018)
- 2. I-405, Tukwila to I-90 Vicinity Express Toll Lanes Project (To be published in summer 2018)
  - 30-day comment period
  - Public hearing



# Key EA Findings: 2025 Morning Traffic Projections

Overall, the I-405 Renton to Bellevue Widening and Express Toll Lanes construction contract is expected to improve traffic across all lanes in most areas.

WITH PROJECT

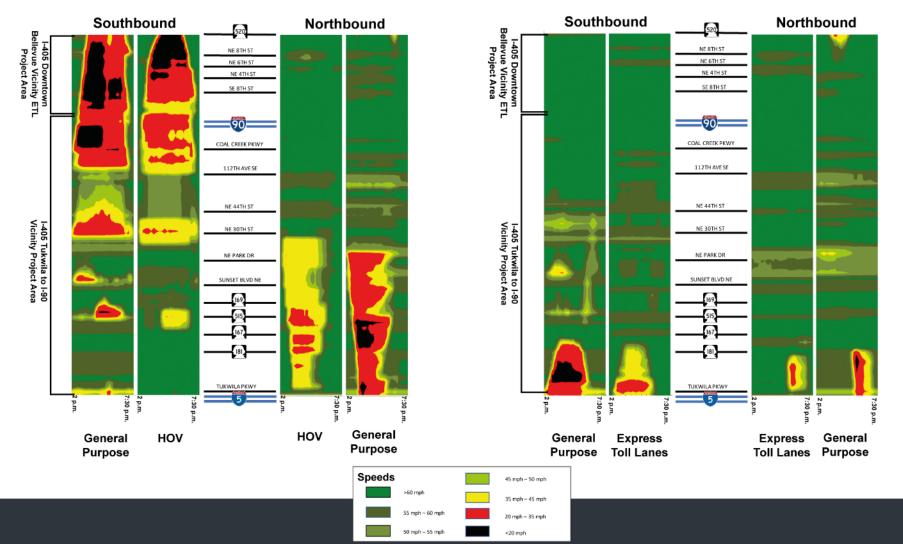


# Key EA Findings: 2025 Afternoon Traffic Projections

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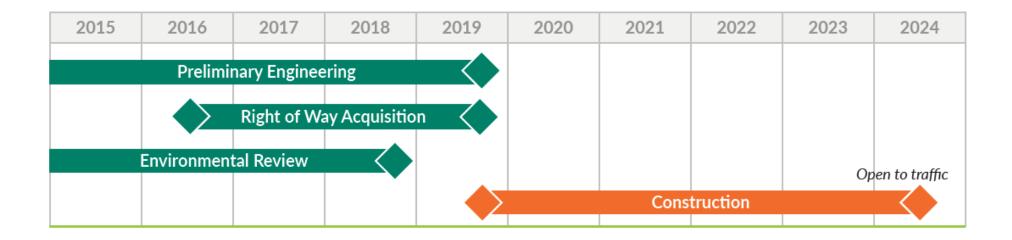
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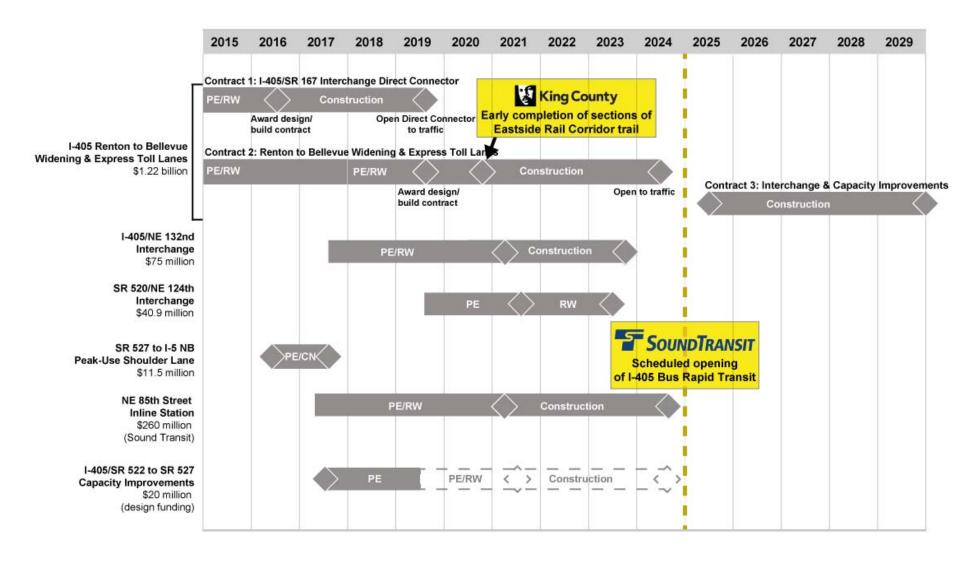


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# Renton to Bellevue: Project Schedule



# I-405 Delivery Schedule: Current Funding





# Next steps: North end improvements



### Phase 1 Scope

- Extends second express toll lane between SR 522 and SR 527 in both directions
- Rebuilds SR 522 interchange and adds direct access ramps
- Builds partial direct access ramp/Bus Rapid Transit station at SR 527

# Funding Status Fully Funded

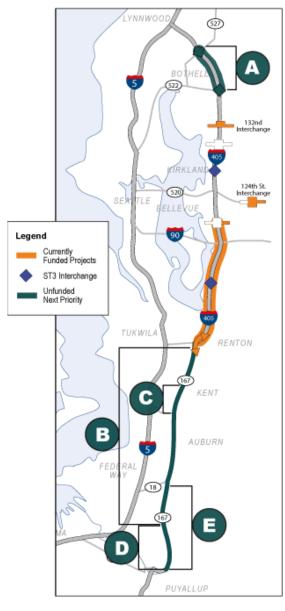
• Engineering: \$20M (FY 17-19 and 19-21)

### **Remaining Funding Need**

- Right of way: \$20 million
- Construction:
   ~\$450 million

Legislative intent from 2018 supplemental budget: "for activities related to adding capacity on Interstate 405 between state route number 522 and Interstate 5, with the goals of increasing vehicle throughput and aligning project completion with the implementation of bus rapid transit in the vicinity of the project."

# I-405/SR 167 Funded and Unfunded Priority Projects



Current Funded Projects - Connecting Washington and Local Agencies					
I-405 Renton to Bellevue Widening and Express Toll Lanes Project	\$1.225B (CWA includes \$215M from tolls) \$17M (King County)	<ul> <li>Builds a flyover ramp connecting the I-405 HOV lanes to the SR 167 HOT lanes</li> <li>Adds one new lane in each direction to complete a 40-mile express toll lane system from Lynnwood to the Pierce County line</li> <li>Makes interchange inprovements</li> <li>Builds portions of the King County Eastside Rail Corridor Regional Trail</li> <li>Builds infrastructure for I-405 Bus Rapid Transit, including direct access ramp/inline station at NE 44th St</li> <li>Builds I-90 vicinity capacity improvements and partners with City of Bellevue to build Northeast Sixth Street extension</li> </ul>			
SR 520/124th Interchange	\$40.9M (CWA, PE + ROW only)	Gets project construction ready to rebuild the SR 520/124th interchange to Master Plan configuration			
NE 132nd Street Interchange	\$75M (CWA, PE/ROW/CN)	Builds new half diamond interchange at NE 132nd Street in Kirkland			

Sound Transit ST3 Funded Projects				
NE 85th Street Interchange	\$250-300M*	Builds inline station at NE 85th Street in Kirkland for I-405 Bus Rapid Transit		
NE 44th Street Interchange	\$100-125M*	Builds direct access ramp and inline station at NE 44th Street for I-405 Bus Rapid Transit		
Sound Transit is inves	ting \$860 millio	on in the I-405 corridor to open a new Bus Rapid Transit line between Lynnwood and Tukwila by 2024.		

\*Subject to Board approval

Near Term Priority Projects not fully funded (ordered from north to south)				
I-405/SR 522 to SR 527 Improvements	\$20M funded	Preliminary Engineering		
	\$20M unfunded	Right of Way acquisition		
Phase 1A	\$225M unfunded	Rebuilds the SR 522 interchange and extends southbound dual express toll lanes to SR 527		
Phase 1B	\$225M-275M unfunded	Builds SR 522 direct access ramps and SR 527 partial direct access ramp, extends northbound dual express toll lane to SR 527		
B SR 167 Toll Equipment Upgrade	\$35M unfunded	Adds photo tolling for consistency with I-405 express toll lanes; needed in time for Renton to Bellevue opening		
Southbound SR 167 Auxiliary Lane	\$20M unfunded	<ul> <li>Builds auxiliary lane between SR 516 and South 277th Street to mitigate changing traffic pattern from changing traffic patterns from Renton to Believue project capacity improvements</li> </ul>		
Southbound SR 167 Stage 6 Extension	\$70M unfunded	Extends the SR 167 HOT lane between Jovita Blvd and the SR 410/512 interchange to mitigate changing traffic patterns from Renton to Bellevue project capacity improvements		
Northbound SR 167 Stage 6 Extension	\$20M funded	Builds HOV lane from SR 18 to SR 410/512		
	\$20M unfunded	Adds tolling equipment to complete the HOT lane system		

# Preliminary Financial Results from Office of the State Treasurer

### Assumptions:

- \$10 toll cap for I-405 (North and South) and \$9 toll cap for SR 167
- Assumes toll-backed GO bonds (triple pledge) 25-year level debt service
- Toll revenues pay for both toll facility O&M and R&R costs
- Funding needs provided by WSDOT (\$710 million)
  - Includes \$215 million of toll funding assumed in the 2017 Project List to fund I-405 South (Renton to Bellevue)
  - Remainder is for unfunded projects

### Preliminary Results (Scenarios require bond authorization):

- If only toll revenue from I-405 were pledged, approximately \$575.5 million in bond proceeds could be generated (81 percent of funding need)
- If toll revenue from I-405 and SR 167 were pledged, approximately \$710 million in bond proceeds could be generated to fully fund the project (100 percent of funding need)



# Legislative Actions Needed

- Toll Authorization for I-405 South (Renton to Bellevue)
- Toll Authorization for SR 167 (authorization expires June 30, 2019) and extension into Pierce County
- Define I-405 and SR 167 as a corridor
- Bond Authorization
- Appropriation/Legislative direction for projects

# Potential Next Priority Projects Funded by I-405 & SR 167 Toll-Backed GO Bonds

- Completing I-405 Renton to Bellevue Widening and Express Toll Lanes project
- Upgrade of SR 167 toll equipment
- I-405 SR 522 to SR 527 Improvements (Phase 1)
- SR 167 peak-use shoulder lane (SR 516 to S. 277th St.)
- Completing SR 167 HOT Lane extension to Puyallup (Stage 6), including northbound HOT lane instead of HOV lane

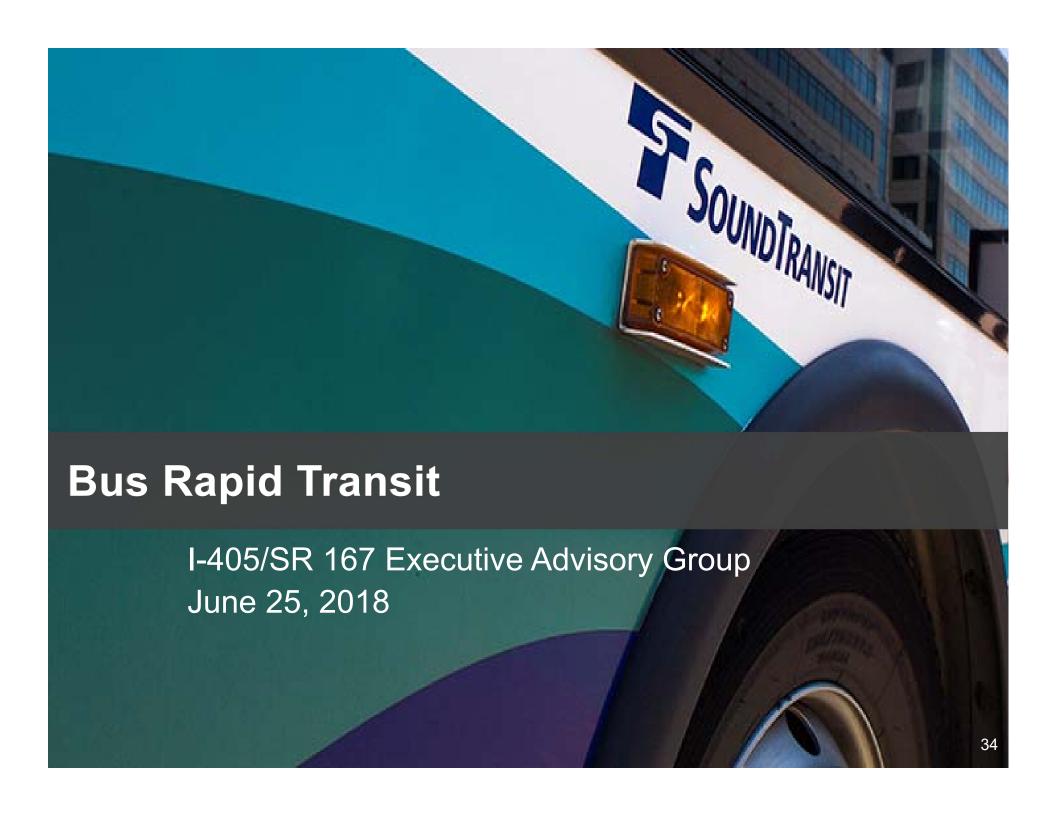
# Discussion

Facilitated by:
Roger Millar
Transportation Secretary

# Sound Transit Update I-405 Bus Rapid Transit

**Bernard Van De Kamp** 

East Corridor Development Director Sound Transit





# Connecting the Region

#### LINK connections in 2041

# Redmond-Seattle-Lynnwood Lynnwood City Center & Bellevue Downtown Issaquah-Bellevue-South Kirkland Bellevue Downtown Everett-Seattle-West Seattle Lynnwood City Center Ballard-Tacoma Tukwila International Boulevard Station SR 522/SR 523 BRT Redmond-Seattle-Lynnwood Shoreline South/145th Everett-Seattle-West Seattle Shoreline South/145th





# I-405 BRT Highlights

### 37-mile corridor: Lynnwood to Burien

North Corridor: Lynnwood to Bellevue

South Corridor: Bellevue to Burien, via Renton

11 BRT station pairs across 7 cities

3 parking facilities, 1,300 added stalls

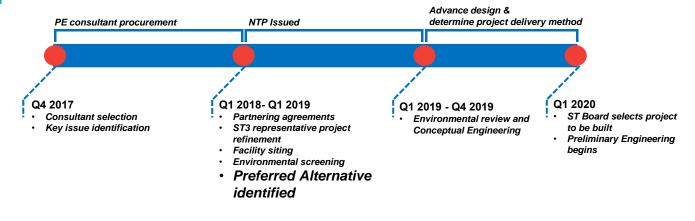
1 new transit center





# **Project Schedule**

### 24-month look-ahead



### Overall schedule





### Recent activities

### I- 405/SR 518 and OMF Consultant Contract

Alternative Development (Phase 1)

### **WSDOT Task Orders**

- I-405/SR 518 BRT
- NE 85<sup>th</sup> St.

### **Partnering**

- Elected Leadership Group: 4/25
- Interagency Group: 4/18, 5/9, 6/13
- Outreach: Community briefings and open houses



# **NE 85th Street Flyer Stop**

### Concept refinement:

- Partner collaboration: City, KCMetro, Sound Transit, WSDOT, FTA, FHWA
- 24 Alternatives

### Separated Transit Interchange:

- I-405 mainline
- Flyer stop/direct access (ETL)
- NE 85<sup>th</sup> arterial

### Strong support:

Kirkland community, Trans.
 Commission, Council
 Sound Transit board this summer.





# **NE 85th Street Flyer Stop Animation**





# **NE 44th Street Flyer Stop**

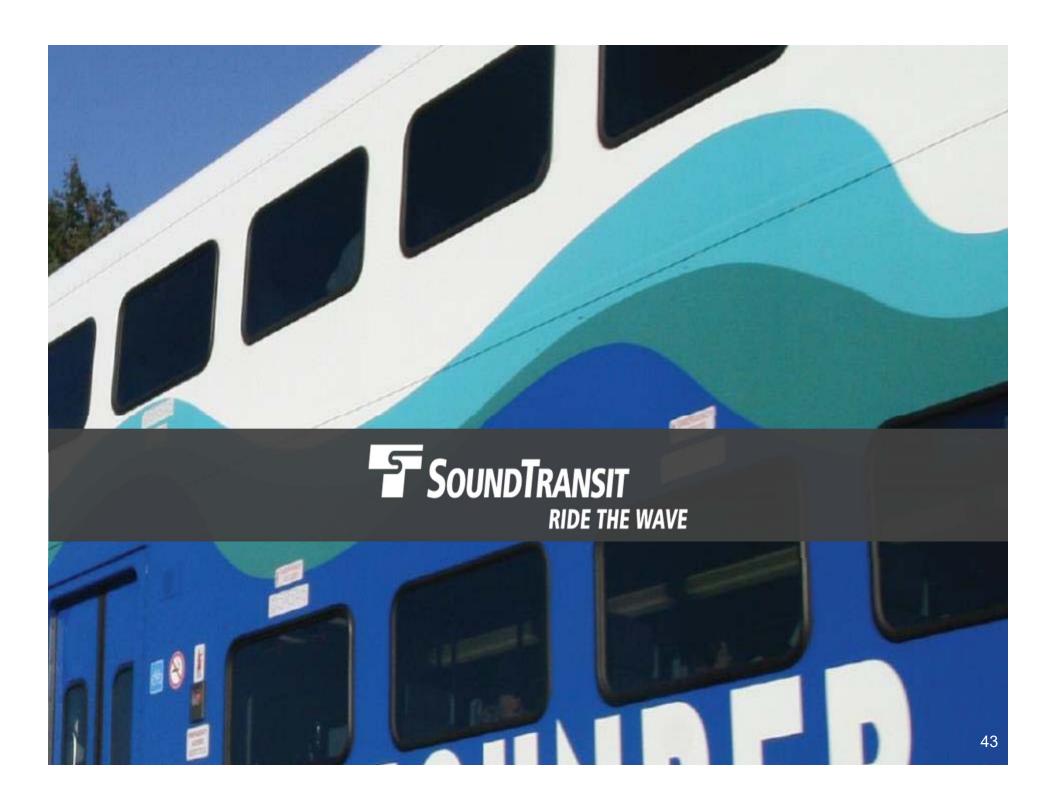
- Combined flyer stop and direct access (ETL)
- Joint project with WSDOT
- Flyer stop/direct access (ETL)





# **NE 44th Street Flyer Stop Animation**





# Discussion

Facilitated by:
Roger Millar
Transportation Secretary

## **Public Comment**

Facilitated by: **Katie Kuciemba Halse**I-405/SR 167 Program Communications

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# Wrap Up

Roger Millar, P.E., AICP Secretary of Transportation